

# Abstracts

## Comparative Study of Mode-Matching Formulations for Microstrip Discontinuity Problems (Oct. 1985 [T-MTT])

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*T.S. Chu, T. Itoh and Y.-C. Shih. "Comparative Study of Mode-Matching Formulations for Microstrip Discontinuity Problems (Oct. 1985 [T-MTT])." 1985 Transactions on Microwave Theory and Techniques 33.10 (Oct. 1985 [T-MTT] (Special Issue on Numerical Methods)): 1018-1023.*

Several matrix formulations for the microstrip step-discontinuity problem are compared. Although they are theoretically identical, one of them has an advantage in numerical labor, relative, and absolute convergence. Results of this method are checked with other published data and with those independently obtained by the modified residue calculus technique.

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